Internation Application No.
PCT/JP03/15298

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F02C7/24, F23R3/02, F23M13/00						
According to International Patent Classification (IPC) or to both national classification and IPC						
	S SEARCHED					
Minimum de	ocumentation searched (classification system followed t C1 F02C7/24, F23R3/02, F23M13	oy classification symbols)				
1110.	OI 10201/24, E23R3/02, E23MI3	, oo 6				
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	ion searched other than minimum documentation to the					
	uyo Shinan Koho 1926—1996 i Jitsuyo Shinan Koho 1971—2004	Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho				
Electronic d	ata base consulted during the international search (name	e of data base and, where practicable, sea	rch terms used)			
C. DOCU	MENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap		Relevant to claim No.			
Υ.	US 5373695 A (Asea Brown Bov 20 December, 1994 (20.12.94),		1,2,19,20, 23,27,32,			
	Figs. 1, 4	•	35-37,53			
A	& EP 597138 A & JP	6-221563 A	3-18,21,22, 24-26,28-31,			
			33,34,38-52			
Y	GB 2288660 A (ABB Management	AG.),	1,2,19,23,			
	25 October, 1995 (25.10.95),		35-37,53			
A	All drawings & DE 4414232 A & JP	7-293885 A	3-18,20-22, 24-34,38-52			
Y.	WO 02/10/01 7 /WENG 70 \					
, A	WO 93/10401 A (MENS AG.), 27 May, 1993 (27.05.93),		2-53			
	Fig. 1	6 E026E2 B				
	& EP 611434 A & JP	0-3U2033 A				
<u> </u>						
	er documents are listed in the continuation of Box C.	See patent family annex.				
"A" docum	l categories of cited documents: ent defining the general state of the art which is not	"T" later document published after the inte priority date and not in conflict with the	he application but cited to			
	considered to be of particular relevance understand the principle or theory underlying the invention					
date considered novel or cannot be considered to involve an inventive "L" document which may throw doubts on priority claim(s) or which is step when the document is taken alone						
cited to establish the publication date of another citation or other "Y" document of particular relevance; the claimed invention cannot be special reason (as specified) considered to involve an inventive step when the document is						
means		combined with one or more other such combination being obvious to a person	n skilled in the art			
"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed						
Date of the actual completion of the international search 06 February, 2004 (06.02.04) Date of mailing of the international search report 24 February, 2004 (24.02.04)						
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer				
Facsimile No		Telephone No.				



Internation opplication No.
PCT/JP03/15298

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Y A	EP 1213539 A (Mitsubishi Heavy Industries, Ltd.), 12 June, 2002 (12.06.02), Fig. 1 & CA 2364377 A & JP 2002-174427 A	1,2,19 3-18,20-53			
Y A	EP 1253378 A (Mitsubishi Heavy Industries, Ltd.), 30 October, 2002 (30.10.02), Figs. 4, 10 & CA 2376810 A & JP 2002-317650 A	1-3,19,27 4-18,20-26, 28-53			
Y A	JP 3233798 B2 (Mitsubishi Heavy Industries, Ltd.), 21 September, 2001 (21.09.01), Figs. 1, 3, 4 (Family: none)	1-3,19-21,27 4-18,22-26, 28-53			
Y A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 076392/1989 (Laid-open No. 017237/1991) (Mitsubishi Heavy Industries, Ltd.), 20 February, 1991 (20.02.91), Figs. 3, 4 (Family: none)	1,2,19 3-18,20-53			
Y A	US 6305927 B1 (ABB Alstom Power (Schwiz) AG.), 23 October, 2001 (23.10.01), Fig. 7 & EP 1010939 A	1,7 2-6,8-53			
Y A	JP 11-141878 A (Mitsubishi Heavy Industries, Ltd.), 28 May, 1999 (28.05.99), Figs. 2, 3 (Family: none)	1,2,19 3-18,20-53			

06.02.2004	24. 2. 2004		
国際調査機関の名称及びあて先 日本国特許庁 (ISA/JP)	特許庁審査官(権限のある職員) 森藤 淳志	3T 9248	
郵便番号100-8915	秋城 1学心		
東京都千代田区殿が関三丁目4番3号	電話番号 03-3581-1101 内線	§ 3355	

「&」同一パテントファミリー文献

21 2

国際調査報告の発送日

「P」国際出願日前で、かつ優先権の主張の基礎となる出願

国際調査を完了した日

	国際調査報告	出願番号 PCT P03/	15298		
C (続き)	関連すると認められる文献				
引用文献の カテゴリー*		その関連する箇所の表示	関連する 請求の範囲の番号		
Y A	WO 93/10401 A (MENS AKITENGE 1993. 05. 27, FIG1 & EP 611434 A & JP 6-502653 A	SELISCHAFT)	1 2-53		
Y A	EP 1213539 A (Mitsubishi Heav 2002. 06. 12, Fig1 & CA 2364377 A & JP 2002-174427 A	y Industries, Ltd.)	1, 2, 19 3–18, 20–53		
Y A	EP 1253378 A (Mitsubishi Heav 2002. 10. 30, Fig4, Fig1 & CA 2376810 A & JP 2002-317650 A	y Industries, Ltd.) LO	1-3, 19. 27 4-18, 20-26, 2 8-53		
Y A	JP 3233798 B2 (三菱重工業株式 2001.09.21,図1、図3、図4 (ファミリーなし)	C会社)	1-3, 19-21, 27 4-18, 22-26, 2 8-53		
Y A	日本国実用新案登録出願1-0763925 出願公開3-017237号)の願書に添作 内容を記録したマイクロフィルム(三菱重コ 1991.02.20,第3図、第4図(ス	けした明細書及び図面の C業株式会社)	1, 2, 19 3–18, 20–53		
Y A	US 6305927 B1 (ABB Alstom Po 2001. 10. 23, Fig7 & EP 1010939 A	wer (Schwiz) AG,)	1, 7 2-6, 8-53		
Y A	JP 11-141878 A (三菱重工業材 1999. 05. 28, 図2, 図3 (ファミ	k式会社) ミリーなし)	1, 2, 19 3–18, 20–53		
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